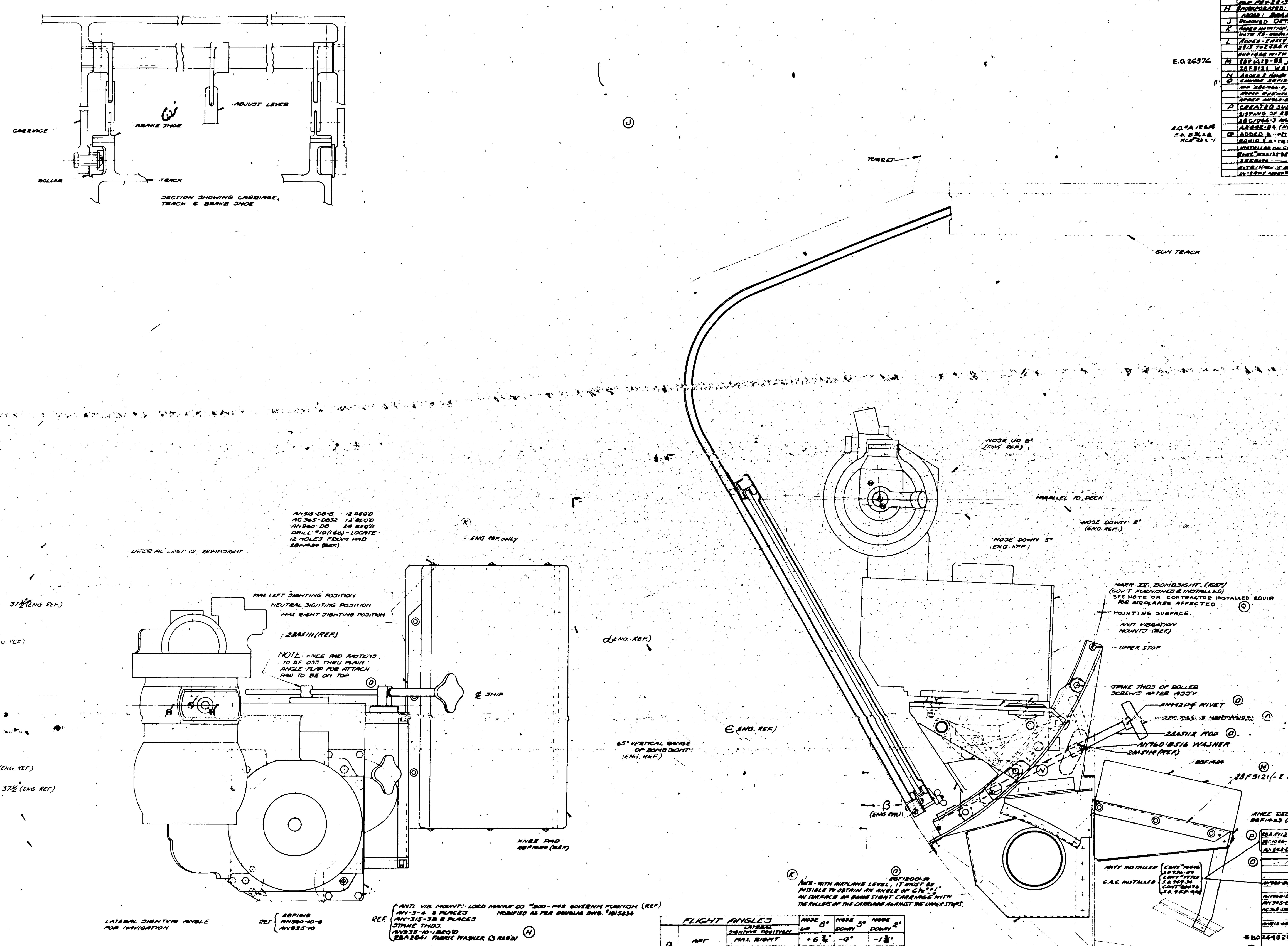


AN515-D8-6 12 REQ'D
AC365-D832 12 REQ'D
AN960-D8 24 REQ'D
DRILL #10 (.196) - LOCATE 12 HOLES FROM PAD 28F1426 (REF)

REF. 28F1419 / AN520-10-6 / AN935-10

REF.
- ANTI. VIB. MOUNT:- LORD MANUF CO #200-PA5 GOVERNM. FURNISH (REF) MODIFIED AS PER DOUGLAS DWG. #1015834
- AN-3-4 8 PLACES
- AN-315-3R 8 PLACES
- STAKE THDS.
- AN935-10-1 REQ'D
- 28A2041 FABRIC WASHER (3 REQ'D) (H)

SIGHTING DATA (ENG. REF.)

1. EXTREME FLIGHT ANGLES FOR THE PBY-1 AIRPLANE ARE AS FOLLOWS.
   a- NOSE UP 8° FOR A SPEED OF 10% ABOVE STALLING AT SEA LEVEL.
   b- NOSE DOWN 5° FOR A SPEED OF 10% BELOW TOP SPEED AT SEA LEVEL.
2. THE LOADING CONDITION FOR THE ABOVE DATA IS WITH FULL BOMB LOAD LESS 40% FUEL.
3. THE NOSE DOWN 2° CONDITION IS WITH FULL LOAD LESS 40% FUEL AND FULL SPEED AT 90% OF THE SERVICE CEILING.
4. ALL FLIGHT ANGLES ARE GIVEN RELATIVE TO THE DECK.

(K) NOTE - WITH AIRPLANE LEVEL, IT MUST BE POSSIBLE TO OBTAIN AN ANGLE OF 6½° +1° -0 ON SURFACE OF BOMB SIGHT CARRIAGE WITH THE ROLLERS OF THE CARRIAGE AGAINST THE UPPER STOPS.

(O) 28F1200-50

FLIGHT ANGLES		LATERAL SIGHTING POSITION	NOSE UP 8°	NOSE DOWN 5°	NOSE DOWN 2°
β	AFT SIGHTING ANGLE	MAX. RIGHT	+6¾°	-4°	-1¾°
		NEUTRAL	+2½°	-8½°	-6°
		MAX. LEFT	-1⅞°	-12¾°	-10½°
α	FORWARD SIGHTING ANGLE	MAX. RIGHT	+90°	+86°	+87°
		NEUTRAL	+90°	+85½°	+86½°
		MAX. LEFT	+90°	+85°	+86°
ε	LIMIT OF VERTICAL SIGHTING ANGLE WITH LATERAL ANGLE OF 45° FOR NAVIGATION		63°	50°	53°
	FOR LATERAL ANGLE OF 37½°		90°	80°	83°

CODE
+ ANGLES ARE FORWARD OF VERTICAL ℄ BOMBSIGHT
- ANGLES ARE AFT OF VERTICAL ℄ BOMBSIGHT

ENG. REF. ONLY

28F1423

NOTE: G.F.E. & CONTRACTOR INSTALLED ON CONT. #91876 - #91 & ON PBY-5 CONT #N XS13595 - PBY-5A

* GOV'T FURNISHED INSTALL. EQUIP

H 27

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

BOMBSIGHT INSTAL. MK XV